Claims

1. A heat sealable polypropylene resin laminate film having three or more layers, which comprises a heat sealable layer having a melting point of not more than 150°C as a surface layer, a substrate layer made of a crystalline polypropylene resin, and an intermediate layer between the heat sealable layer and the substrate layer, wherein the product of the tensile modulus of elasticity in the machine direction (MD) of the film and in the direction (TD) transverse to the machine direction of the film is 3.1-6.0 $(GPa)^2$, and the heat sealing energy in each of the machine direction of the film and the direction transverse to the machine direction of the film is not less than 11N·cm/15 mm when the film is sealed such that the heat sealing strength of the film is not less than 8N/15 mm.

2. The laminate film of claim 1, wherein the thicknesses of the substrate layer and the intermediate layer satisfy the following relational formula:

$$2x<y$$

wherein x is the thickness of said substrate layer and y is the thickness of the intermediate layer.

3. The laminate film of claim 1 or 2, wherein said intermediate layer comprises an α-olefin copolymer containing a cold xylene-soluble fraction in a proportion of not more than 3% by mass.

4. The laminate film of any one of claims 1 to 3, wherein said α-olefin copolymer is contained in the intermediate layer in a proportion of 10-70% by mass.

5. The laminate film of any one of claims 1 to 4, wherein said intermediate layer comprises a crystalline polypropylene resin

constituting the substrate layer and a resin constituting the heat sealable layer.

6. The laminate film of any one of claims 1 to 5, wherein the surface of said heat sealable layer has a wetting tension after water washing of not less than 31 mN/m and contains an antifog agent before the water washing.

7. The laminate film of any one of claims 1 to 6, wherein said laminate film is biaxially oriented.

8. A package comprising the laminate film of any one of claims 1 to 7.